

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Currently Amended) A plurality of sensors comprising:
a first conductive material and a second compositionally different
material formed, wherein at least one sensor comprises a different thickness than at
least one other sensor of the plurality of sensors, the plurality of sensors made by a
process comprising:

spraying a plurality of substrates, each having at least two
conductive leads, with a suspension between the at least two conductive leads, and
wherein at least one substrate receives more suspension than at least one other
substrate.

2. (Original) The plurality of sensor of claim 1, wherein the suspension
is applied to the substrates with an airbrush.

3. (Original) The plurality of sensors of claim 2, wherein the airbrush is
fitted with a nozzle that sprays in a desired geometry.

4. (Original) The plurality of sensors of claim 1, wherein the first
material is selected from the group consisting of Ag, Au, Cu, Pt, carbon black, and
AuCu, and the second material compositionally different than the first material is

selected form the group consisting of a non-conductive material, a semi-conductive material, a conductive organic material, wherein the conductive organic material is selected form the group consisting of a polyaniline, an emeraldine salt of polyaniline, a polypyrrole, a polythiophene, and a polyEDOT.

5. (Currently Amended) A plurality of sensor comprising a first conductive material and a second compositionally different material formed, wherein at least one sensor comprises a different thickness than at least one other sensor of the plurality of sensors, the plurality of sensors made by a process comprising:
spraying a substrate, comprising at least 2 pair of conductive leads, with a suspension between the at least 2 pair of conductive leads wherein at least one area of the substrate receives more suspension than at least one other area of the substrate thereby forming at least 2 sensors of different thickness.